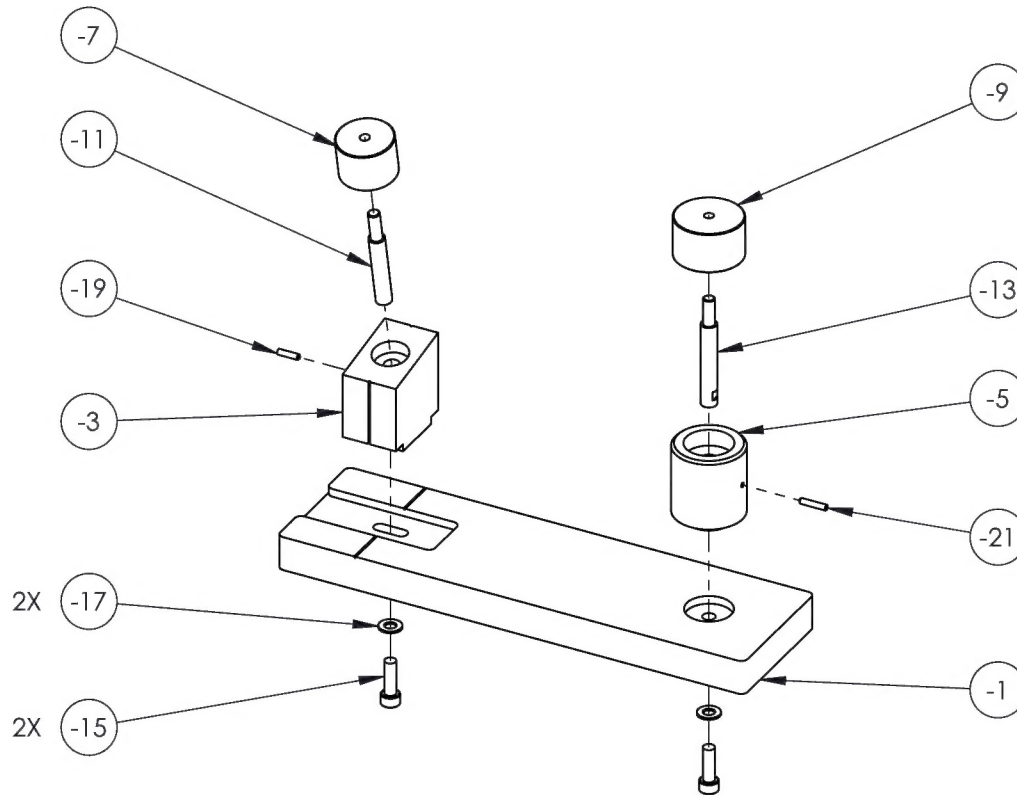


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REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
2	16-0074	UPDATE TO NEW STANDARD. -3 & -5 CH'D MAT'L WAS 1018 IS 1018/1020 CR. -1 CH'D DIMS WAS 3.555 IS 3.94, WAS 13.370 IS 13.75, ADDED DIM 1.00. -3 CH'D DIM WAS (.400) IS .400. -5 CH'D DIM WAS Ø1.975 IS Ø1.98, CH'D DIM WAS Ψ1.480 IS Ψ1.48, CH'D DIM WAS .075 IS .08, CH'D DIM WAS 1.000 IS 1.00, CH'D DIM WAS THRU TO CAVITY IS Ψ.98, CH'D DIM WAS .480 IS .48, CH'D DIM WAS .600 IS .60. -7 CH'D DIM WAS Ø1.575 IS Ø1.58, CH'D DIM WAS 1.175 IS 1.18, CH'D DIM WAS Ψ.475 IS Ψ.48. -9 CH'D DIM WAS Ø1.890 IS Ø1.89, CH'D DIM WAS 1.175 IS 1.18, CH'D DIM WAS Ψ.585 IS Ψ.59. -11 & -13 CH'D MAT'L WAS 4140 IS 4140/4142. -11 ADDED FINISH SPEC, CH'D DIM WAS M8x1.25 IS M8x1.25-6g, CH'D DIM WAS .175 IS .393. -13 ADDED FINISH SPEC, CH'D DIM WAS M8x1.25 IS M8x1.25-6g, CH'D DIM WAS 3.200 IS 3.20, CH'D DIM WAS .175 IS .393.	7/15/2016	DEW	SM



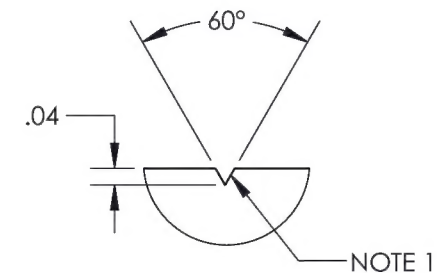
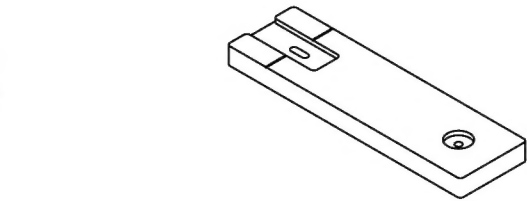
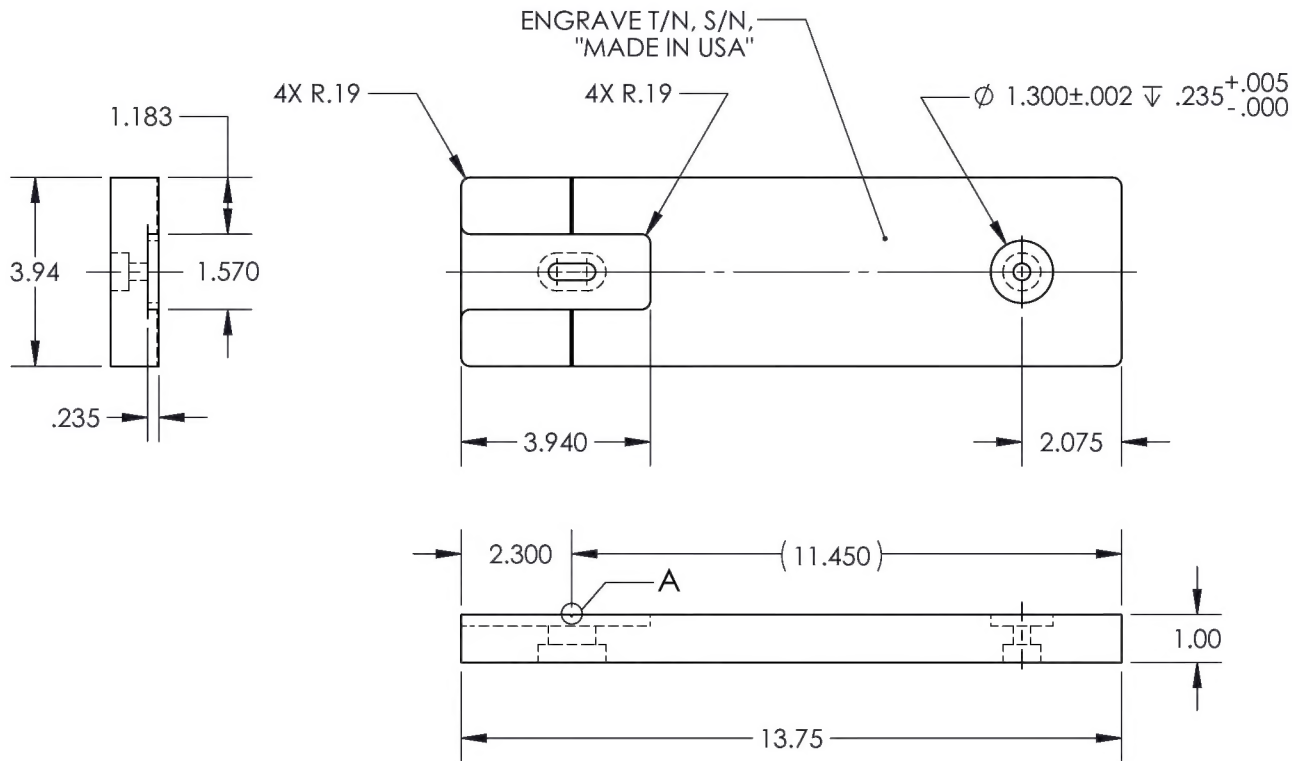
NOTE:  
REF. AGUSTA T/N 109-3101-84-101.

ASSY QTY	ASSY QTY	B/O	Part #	UNIT QTY	Description	Material	B/O INFORMATION OR SPECIFICATIONS	PG.
			-1	1	PLATE	MIC 6		2
			-3	1	SUPPORT	1018/1020 CR		3
			-5	1	SUPPORT	1018/1020 CR		4
			-7	1	KNOB	6061		5
			-9	1	KNOB	6061		6
			-11	1	PIN	4140/4142		7
			-13	1	PIN	4140/4142		8
		B/O	-15	2	SOCKET HEAD CAP SCREW	STEEL	M8 x 1.25 X 25 (MCMASTER-CARR #95263A633)	1
		B/O	-17	2	WASHER	STEEL	M8 (MCMASTER-CARR #91166A270)	1
		B/O	-19	1	SET SCREW	STEEL	M4 x .7 X 16 (MCMASTER-CARR #91390A116)	1
		B/O	-21	1	SET SCREW	STEEL	M4 x .7 X 20 (MCMASTER-CARR #91390A218)	1

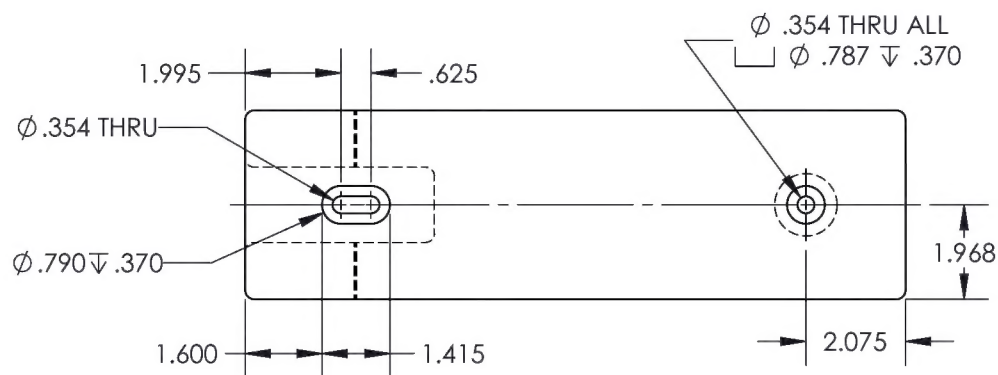
<b>DART</b> AEROSPACE	
TITLE M/R PITCH CHANGE LINK LENGTH/ANGULAR POSITION RIGGING	
DWG NO. RBW109-3101-84-101	REV 2
MAT'L	UNLESS OTHERWISE SPECIFIED
HEAT TREAT	DIMENSIONS ARE IN INCHES
FINISH	.XXX ± .005 FRACTIONS ± 1/8
SPEC	.XX ± .01 ANGLES ± 5°
	.X ± .1 SURFACES = 125
DRAWN BY: GILBERT	1. BREAK ALL SHARP EDGES
CHECKED: CLOUGH	.015 x 45° OR .015R
OPPS APPR: ANDERSON	2. DIMENSIONAL LIMITS APPLY
QA APPR: LINDSAY	AFTER PLATING
APPROVED: MACKOVJAK	3. INTERPRET DIM AND TOL PER
	ASME Y14.5M-2009
SCALE 1:4	DATE 4/3/2012
	SHEET 1 OF 8

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REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
2	16-0074	•1 CH'D DIMS WAS 3.555 IS 3.94, WAS 13.370 IS 13.75, ADDED DIM 1.00.	7/15/2016	DEW	SM



DETAIL A  
SCALE 2 : 1



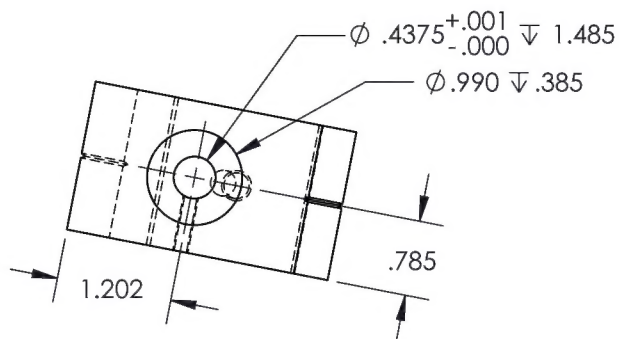
(-1)  
PLATE

NOTE:  
1. AFTER ANODIZING, FILL GROOVE WITH A CONTRASTING COLOR PAINT.

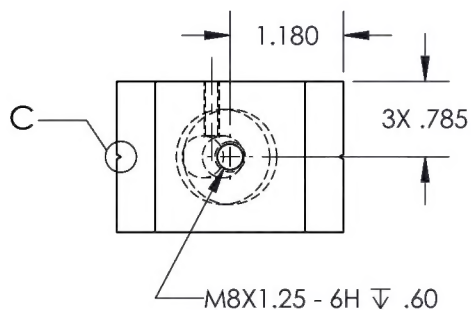
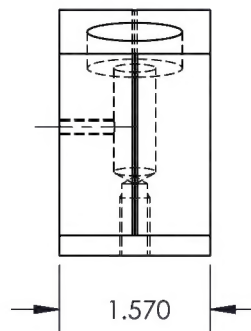
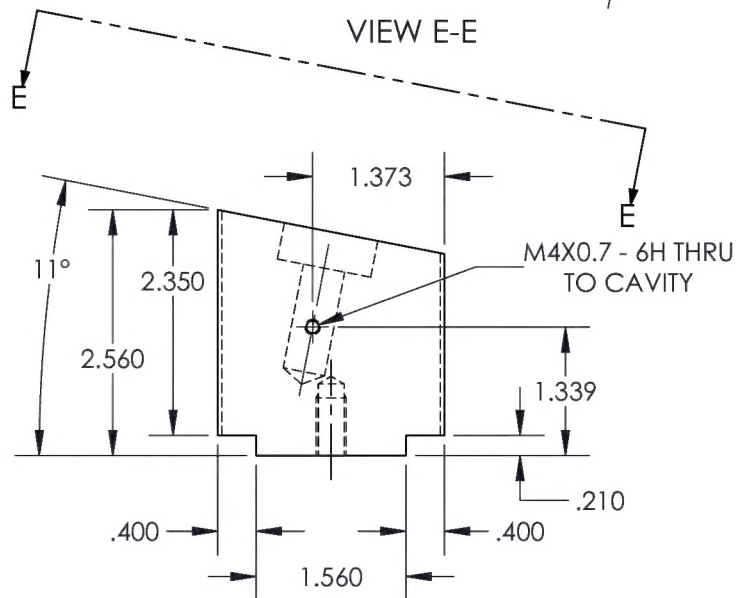
<b>DART AEROSPACE</b>	
TITLE M/R PITCH CHANGE LINK LENGTH/ANGULAR POSITION RIGGING	
DWG NO. RBW109-3101-84-101-1	REV 2
MAT'L MIC 6	UNLESS OTHERWISE SPECIFIED
HEAT TREAT	DIMENSIONS ARE IN INCHES
FINISH CLEAR ANODIZE	.XXX $\pm$ .005 FRACTIONS $\pm$ 1/8
SPEC MIL-A-8625F, TYPE II, CLASS I	.XX $\pm$ .01 ANGLES $\pm$ 5°
DRAWN BY: GILBERT	.X $\pm$ .1 SURFACES = 125✓
CHECKED: CLOUGH	1. BREAK ALL SHARP EDGES .015 x 45° OR .015R
OPPS APPR: ANDERSON	2. DIMENSIONAL LIMITS APPLY AFTER PLATING
QA APPR: LINDSAY	3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009
APPROVED: MACKOVJAK	USED ON MODEL
SCALE 1:4	AW109 - AW119
DATE 4/3/2012	SHEET 2 OF 8

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REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
2	16-0074	-3 CH'D DIM WAS (.400) IS .400, CH'D MAT'L WAS 1018 IS 1018/1020 CR.	7/15/2016	DEW	SM

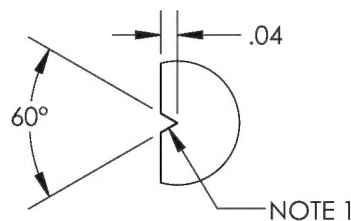


VIEW E-E



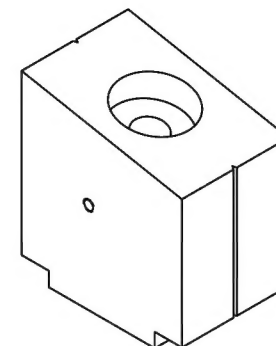
③

SUPPORT



NOTE 1

DETAIL C  
SCALE 2 : 1  
2 PLACES

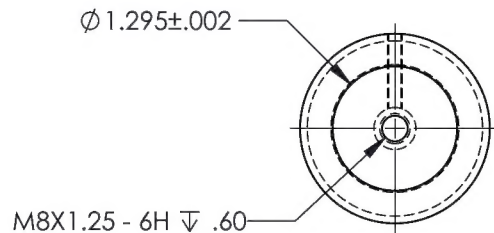
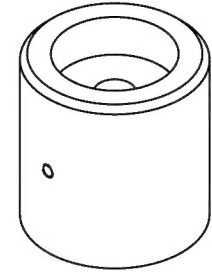
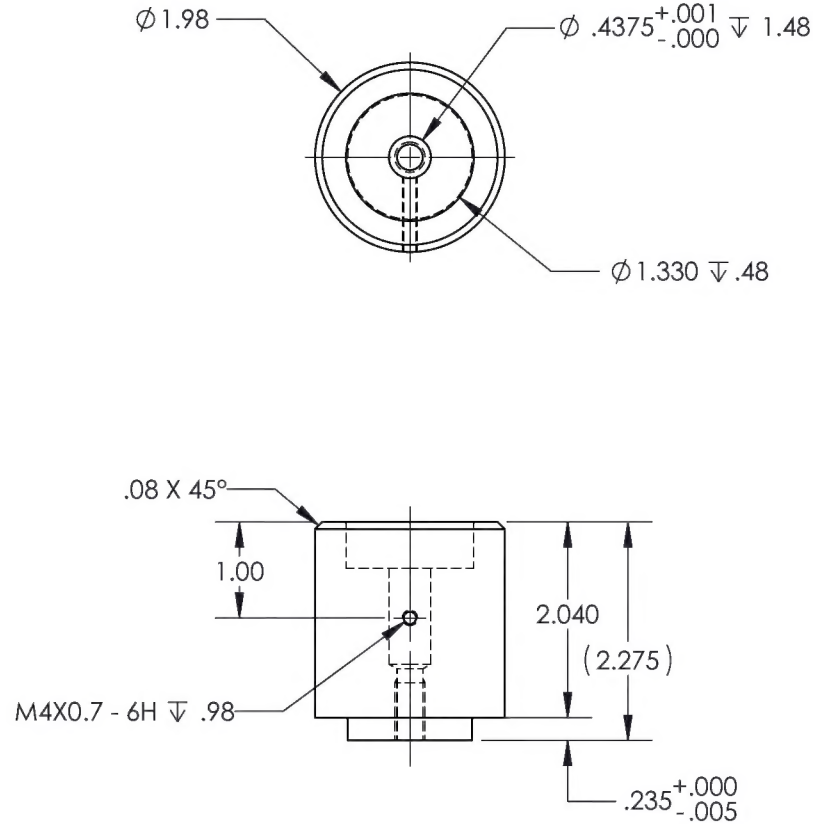


NOTE:  
1. AFTER POWDER COAT, FILL GROOVE WITH A CONTRASTING COLOR PAINT.

<b>DART AEROSPACE</b>	
TITLE M/R PITCH CHANGE LINK LENGTH/ANGULAR POSITION RIGGING	
DWG NO. RBW109-3101-84-101-3	REV 2
MAT'L 1018/1020 CR	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
HEAT TREAT	.XXX ± .005 FRACTIONS ± 1/8
FINISH POWDER COAT YELLOW	.XX ± .01 ANGLES ± 5°
SPEC FED #13538	.X ± .1 SURFACES = 125
DRAWN BY: GILBERT	1. BREAK ALL SHARP EDGES .015 x 45° OR .015R
CHECKED: CLOUGH	2. DIMENSIONAL LIMITS APPLY AFTER PLATING
OPPS APPR: ANDERSON	3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009
QA APPR: LINDSAY	USED ON MODEL
APPROVED: MACKOVJAK	AW109 - AW119
SCALE 1:2	DATE 4/3/2012
SHEET 3 OF 8	

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REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
2	16-0074	-5 CH'D MAT'L WAS 1018 IS 1018/1020 CR, CH'D DIM WAS $\phi 1.975$ IS $\phi 1.98$ , CH'D DIM WAS $\nabla 1.480$ IS $\nabla 1.48$ , CH'D DIM WAS $.075$ IS $.08$ , CH'D DIM WAS $1.000$ IS $1.00$ , CH'D DIM WAS THRU TO CAVITY IS $\nabla .98$ , CH'D DIM WAS $.480$ IS $.48$ , CH'D DIM WAS $.600$ IS $.60$ .	7/15/2016	DEW	SM



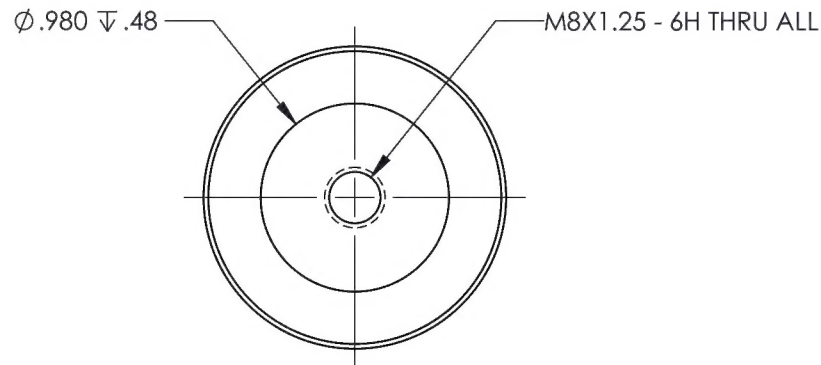
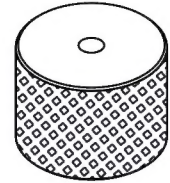
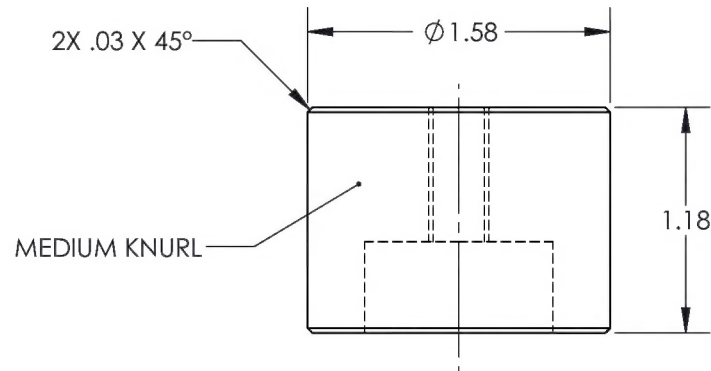
(5)

SUPPORT

<b>DART AEROSPACE</b>	
TITLE M/R PITCH CHANGE LINK LENGTH/ANGULAR POSITION RIGGING	
DWG NO. RBW109-3101-84-101-5	REV 2
MAT'L 1018/1020 CR	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
HEAT TREAT	.XXX $\pm$ .005 FRACTIONS $\pm$ 1/8
FINISH POWDER COAT YELLOW	.XX $\pm$ .01 ANGLES $\pm$ .5°
SPEC FED #13538	.X $\pm$ .1 SURFACES = 125°
DRAWN BY: GILBERT	1. BREAK ALL SHARP EDGES .015 x 45° OR .015R
CHECKED: CLOUGH	2. DIMENSIONAL LIMITS APPLY AFTER PLATING
OPPS APPR: ANDERSON	3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009
QA APPR: LINDSAY	USED ON MODEL
APPROVED: MACKOVJAK	AW109 - AW119
SCALE 1:2	DATE 4/3/2012
SHEET 4 OF 8	

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REVISIONS				
REV	ECR	DESCRIPTION	DATE	INITIAL
2	16-0074	-7 CH'D DIM WAS $\varnothing$ 1.575 IS $\varnothing$ 1.58, CH'D DIM WAS 1.175 IS 1.18, CH'D DIM WAS $\nabla$ .475 IS $\nabla$ .48.	7/15/2016	DEW
				SM



(-7)

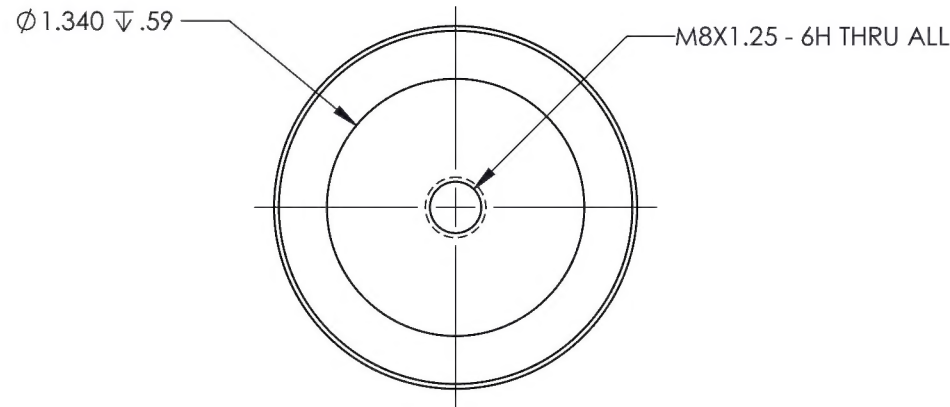
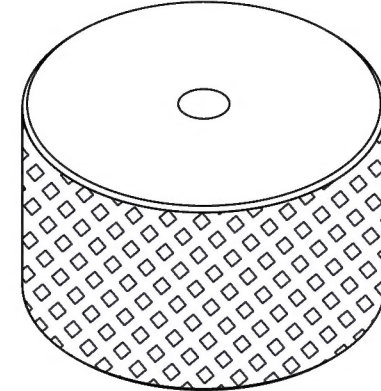
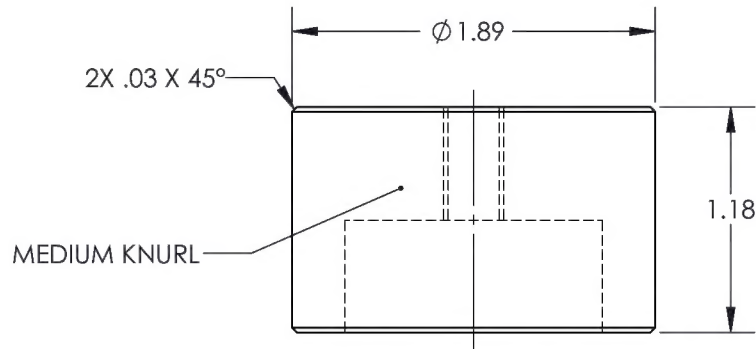
KNOB

<b>DART AEROSPACE</b>	
TITLE M/R PITCH CHANGE LINK LENGTH/ANGULAR POSITION RIGGING	
DWG NO. RBW109-3101-84-101-7	REV 2
MAT'L 6061	UNLESS OTHERWISE SPECIFIED
HEAT TREAT	DIMENSIONS ARE IN INCHES
FINISH CLEAR ANODIZE	.XXX $\pm$ .005 FRACTIONS $\pm$ 1/8
SPEC MIL-A-8625F, TYPE II, CLASS I	.XX $\pm$ .01 ANGLES $\pm$ .5°
DRAWN BY: GILBERT	.X $\pm$ .1 SURFACES = 125
CHECKED: CLOUGH	1. BREAK ALL SHARP EDGES
OPPS APPR: ANDERSON	.015 x 45° OR .015R
QA APPR: LINDSAY	2. DIMENSIONAL LIMITS APPLY AFTER PLATING
APPROVED: MACKOVJAK	3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009
SCALE 1:2	USED ON MODEL
DATE 4/3/2012	AW109 - AW119
	SHEET 5 OF 8



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REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
2	16-0074	-9 CH'D DIM WAS $\phi 1.890$ IS $\phi 1.89$ , CH'D DM WAS 1.175 IS 1.18, CH'D DIM WAS $\nabla .585$ IS $\nabla .59$ .	7/15/2016	DEW	SM

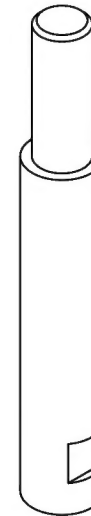
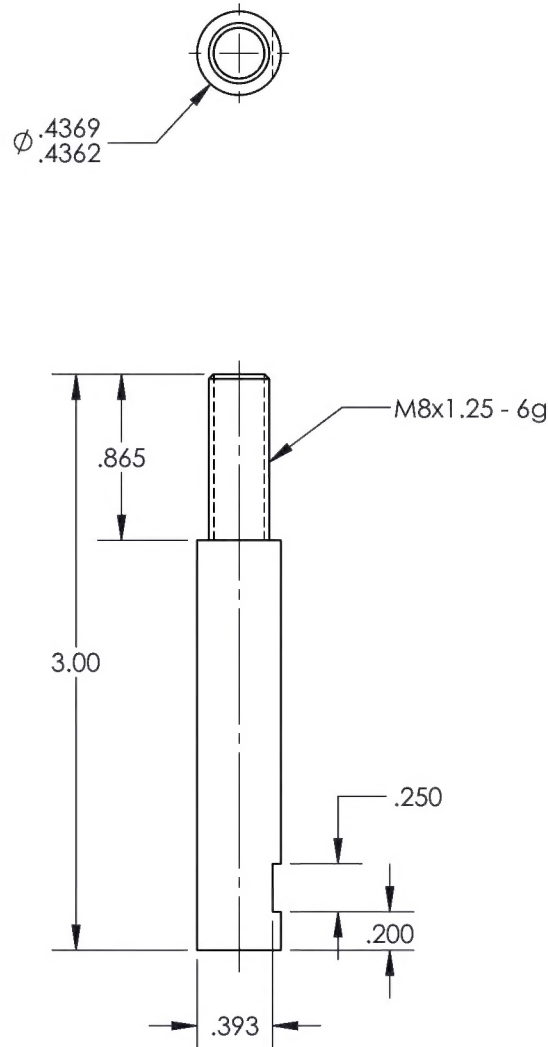


(-9)  
KNOB

<b>DART</b> AEROSPACE	
TITLE M/R PITCH CHANGE LINK LENGTH/ANGULAR POSITION RIGGING	
DWG NO. RBW109-3101-84-101-9	REV 2
MAT'L 6061	UNLESS OTHERWISE SPECIFIED
HEAT TREAT	DIMENSIONS ARE IN INCHES
FINISH CLEAR ANODIZE	.XXX $\pm$ .005 FRACTIONS $\pm$ 1/8
SPEC MIL-A-8625F, TYPE II, CLASS I	.XX $\pm$ .01 ANGLES $\pm$ 5°
DRAWN BY: GILBERT	.X $\pm$ .1 SURFACES = 125
CHECKED: CLOUGH	1. BREAK ALL SHARP EDGES
OPPS APPR: ANDERSON	.015 x 45° OR .015R
QA APPR: LINDSAY	2. DIMENSIONAL LIMITS APPLY
APPROVED: MACKOVJAK	AFTER PLATING
SCALE 1:2	3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009
DATE 4/4/2012	USED ON MODEL
SHEET 6 OF 8	AW109 - AW119

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REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
2	16-0074	-11 CH'D MAT'L WAS 4140 IS 4140/4142, ADDED FINISH SPEC, CH'D DIM WAS M8x1.25 IS M8x1.25-6g. CH'D DIM WAS .175 IS .393.	7/15/2016	DEW	SM

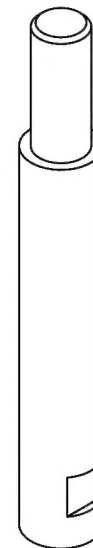
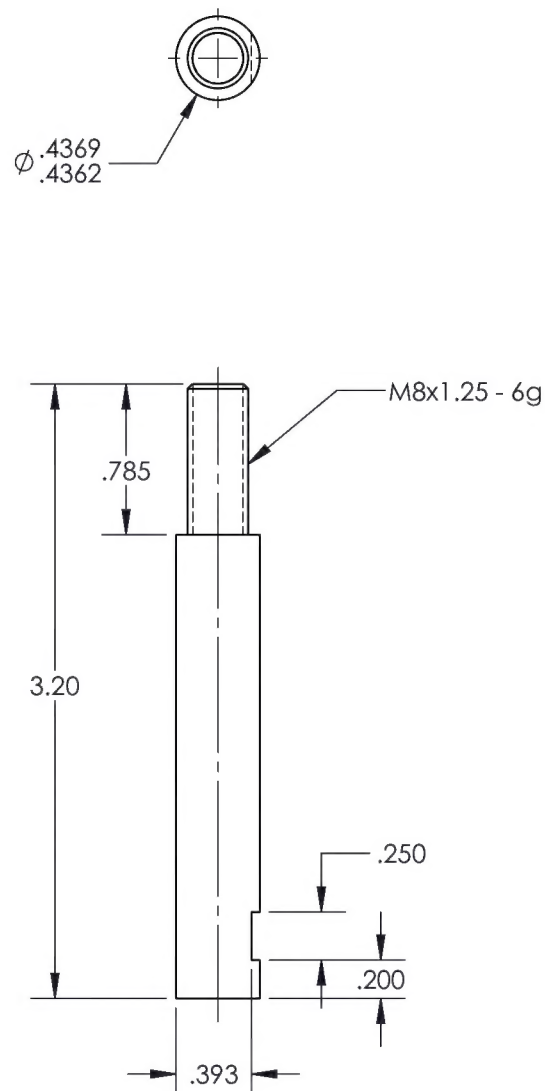


(-11)  
PIN

<b>DART AEROSPACE</b>	
TITLE M/R PITCH CHANGE LINK LENGTH/ANGULAR POSITION RIGGING	
DWG NO. RBW109-3101-84-101-11	REV 2
MAT'L 4140/4142	UNLESS OTHERWISE SPECIFIED
HEAT TREAT	DIMENSIONS ARE IN INCHES
FINISH BLACK OXIDE	.XXX $\pm$ .005 FRACTIONS $\pm$ 1/8
SPEC QMSI-6.2.2 REV D	.XX $\pm$ .01 ANGLES $\pm$ 5°
DRAWN BY: GILBERT	.X $\pm$ .1 SURFACES = 125
CHECKED: CLOUGH	1. BREAK ALL SHARP EDGES
OPPS APPR: ANDERSON	.015 x 45° OR .015R
QA APPR: LINDSAY	2. DIMENSIONAL LIMITS APPLY
APPROVED: MACKOVJAK	AFTER PLATING
SCALE 1:2	3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009
DATE 4/4/2012	USED ON MODEL
SHEET 7 OF 8	AW109 - AW119

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REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
2	16-0074	-13 CH'D MAT'L WAS 4140 IS 4140/4142, ADDED FINISH SPEC CH'D DIM WAS M8x1.25 IS M8x1.25-6g, CH'D DIM WAS 3.200 IS 3.20, CH'D DIM WAS .175 IS .393.	7/15/2016	DEW	SM



(-13)

PIN

<b>DART AEROSPACE</b>	
TITLE M/R PITCH CHANGE LINK LENGTH/ANGULAR POSITION RIGGING	
DWG NO. RBW109-3101-84-101-13	REV 2
MAT'L 4140/4142	UNLESS OTHERWISE SPECIFIED
HEAT TREAT	DIMENSIONS ARE IN INCHES
FINISH BLACK OXIDE	.XXX $\pm$ .005 FRACTIONS $\pm$ 1/8
SPEC QMSI-6.2.2 REV D	.XX $\pm$ .01 ANGLES $\pm$ 5°
DRAWN BY: GILBERT	.X $\pm$ .1 SURFACES = 125°
CHECKED: CLOUGH	1. BREAK ALL SHARP EDGES
OPPS APPR: ANDERSON	.015 x 45° OR .015R
QA APPR: LINDSAY	2. DIMENSIONAL LIMITS APPLY
APPROVED: MACKOVJAK	AFTER PLATING
SCALE 1:2	3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009
DATE 4/4/2012	USED ON MODEL
SHEET 8 OF 8	AW109 - AW119